



IFWO

RAW SEQUENCE LISTING

DATE: 09/21/2004

PATENT APPLICATION: US/10/767,869

TIME: 15:51:21

Input Set : A:\66797-397.txt

Output Set: N:\CRF4\09212004\J767869.raw

SEQUENCE LISTING

2 (1) GENERAL INFORMATION:

4 (i) APPLICANT: HUSE, WILLIAM D.

8 (ii) TITLE OF INVENTION: SURFACE EXPRESSION LIBRARIES OF
9 HETEROMERIC RECEPTORS

13 (iii) NUMBER OF SEQUENCES: 76

14 (iv) CORRESPONDENCE ADDRESS:

15 (A) ADDRESSEE: McDermott Will & Emery

16 (B) STREET: 4370 LA JOLLA VILLAGE DRIVE, SUITE 700

17 (C) CITY: SAN DIEGO

18 (D) STATE: CALIFORNIA

19 (E) COUNTRY: UNITED STATES

20 (F) ZIP: 92122

22 (v) COMPUTER READABLE FORM:

23 (A) MEDIUM TYPE: Floppy disk

24 (B) COMPUTER: IBM PC compatible

25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

26 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25

28 (vi) CURRENT APPLICATION DATA:

C--> 29 (A) APPLICATION NUMBER: US/10/767,869

C--> 30 (B) FILING DATE: 28-Jan-2004

31 (C) CLASSIFICATION:

33 (viii) ATTORNEY/AGENT INFORMATION:

34 (A) NAME: Gay, David A.

35 (B) REGISTRATION NUMBER: 39,200

36 (C) REFERENCE/DOCKET NUMBER: 66797-397

39 (ix) TELECOMMUNICATION INFORMATION:

40 (A) TELEPHONE: 619-535-9001

41 (B) TELEFAX: 619-535-8949

44 (2) INFORMATION FOR SEQ ID NO: 1:

47 (i) SEQUENCE CHARACTERISTICS:

48 (A) LENGTH: 7445 base pairs

49 (B) TYPE: nucleic acid

50 (C) STRANDEDNESS: both

51 (D) TOPOLOGY: circular

54 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

58	AATGCTACTA CTATTAGTAG AATTGATGCC ACCTTTTCAG CTCGCGCCCC AAATGAAAAT	60
59	ATAGCTAAAC AGGTTATTGA CCATTTCGCA AATGTATCTA ATGGTCAAAC TAAATCTACT	120
60	CGTTCGCAGA ATTGGGAATC AACTGTTACA TGGAATGAAA CTTCCAGACA CCGTACTTTA	180
61	GTTGCATATT TAAAACATGT TGAGCTACAG CACCAGATTC AGCAATTAAG CTCTAAGCCA	240
62	TCTGCAAAAA TGACCTCTTA TCAAAAGGAG CAATTAAAGG TACTCTCTAA TCCTGACCTG	300
63	TTGGAGTTTG CTTCCGGTCT GGTTCGCTTT GAAGCTCGAA TTAAAACGCG ATATTGAAG	360
64	TCTTTCGGGC TTCTCTTAA TCTTTTTGAT GCAATCCGCT TTGCTTCTGA CTATAATAGT	420

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65	CAGGGTAAAG	ACCTGATTTT	TGATTTATGG	TCATTCTCGT	TTTCTGAACT	GTTTAAAGCA	480
66	TTTGAGGGGG	ATTCAATGAA	TATTTATGAC	GATTCCGCAG	TATTGGACGC	TATCCAGTCT	540
67	AAACATTTTA	CTATTACCCC	CTCTGGCAAA	ACTTCTTTTG	CAAAAGCCTC	TCGCTATTTT	600
68	GGTTTTTATC	GTCGTCTGGT	AAACGAGGGT	TATGATAGTG	TTGCTCTTAC	TATGCCTCGT	660
69	AATTCCTTTT	GGCGTTATGT	ATCTGCATTA	GTTGAATGTG	GTATTCCTAA	ATCTCAACTG	720
70	ATGAATCTTT	CTACCTGTAA	TAATGTTGTT	CCGTTAGTTC	GTTTTATTAA	CGTAGATTTT	780
71	TCTTCCCAAC	GTCCTGACTG	GTATAATGAG	CCAGTTCTTA	AAATCGCATA	AGGTAATTCA	840
72	CAATGATTAA	AGTTGAAATT	AAACCATCTC	AAGCCCAATT	TACTACTCGT	TCTGGTGTTT	900
73	CTCGTCAGGG	CAAGCCTTAT	TCACTGAATG	AGCAGCTTTG	TTACGTTGAT	TTGGGTAATG	960
74	AATATCCGGT	TCTTGTCAAG	ATTACTCTTG	ATGAAGGTCA	GCCAGCCTAT	GCGCCTGGTC	1020
75	TGTACACCGT	TCATCTGTCC	TCTTTCAAAG	TTGGTCAGTT	CGGTTCCCTT	ATGATTGACC	1080
76	GTCTGCGCCT	CGTTCCGGCT	AAGTAACATG	GAGCAGGTCT	CGGATTTCTGA	CACAATTTAT	1140
77	CAGGCGATGA	TACAAATCTC	CGTTGTACTT	TGTTTCGCGC	TTGGTATAAT	CGCTGGGGGT	1200
78	CAAAGATGAG	TGTTTTAGTG	TATTCCTTCG	CCTCTTTCGT	TTTAGGTTGG	TGCCCTTCGTA	1260
79	GTGGCATTAC	GTATTTTACC	CGTTTAATGG	AAACTTCCTC	ATGAAAAAGT	CTTTAGTCCT	1320
80	CAAAGCCTCT	GTAGCCGTTG	CTACCCTCGT	TCCGATGCTG	TCTTTCGCTG	CTGAGGGTGA	1380
81	CGATCCCGCA	AAAGCGGCCT	TTAACTCCCT	GCAAGCCTCA	GCGACCGAAT	ATATCGGTTA	1440
82	TGCGTGGGCG	ATGGTTGTTG	TCATTGTCGG	CGCAACTATC	GGTATCAAGC	TGTTTAAAGAA	1500
83	ATTCACCTCG	AAAGCAAGCT	GATAAAACCGA	TACAATTAAA	GGCTCCTTTT	GGAGCCTTTT	1560
84	TTTTTGGAGA	TTTTCAACGT	GAAAAAATTA	TTATTGCAA	TTCCTTTAGT	TGTTCCTTTC	1620
85	TATTCTCACT	CCGCTGAAAC	TGTTGAAAGT	TGTTTAGCAA	AACCCCATAC	AGAAAATTCA	1680
86	TTTACTAACG	TCTGGAAAGA	CGACAAAAC	TTAGATCGTT	ACGCTAACTA	TGAGGGTTGT	1740
87	CTGTGGAATG	CTACAGGCGT	TGTAGTTTGT	ACTGGTGACG	AAACTCAGTG	TTACGGTACA	1800
88	TGGGTTCCCTA	TTGGGCTTGC	TATCCCTGAA	AATGAGGGTG	GTGGCTCTGA	GGGTGGCGGT	1860
89	TCTGAGGGTG	GCGGTTCTGA	GGGTGGCGGT	ACTAAACCTC	CTGAGTACGG	TGATACACCT	1920
90	ATTCGGGGCT	ATACTTATAT	CAACCTCTC	GACGGCACTT	ATCCGCCTGG	TACTGAGCAA	1980
91	AACCCCGCTA	ATCCTAATCC	TTCTCTTGAG	GAGTCTCAGC	CTCTTAATAC	TTTCATGTTT	2040
92	CAGAATAATA	GGTTCGAAA	TAGGCAGGGG	GCATTAAC	TTTATACGGG	CACTGTTACT	2100
93	CAAGGCACTG	ACCCCGTTAA	AACCTATTAC	CAGTACACTC	CTGTATCATC	AAAAGCCATG	2160
94	TATGACGCTT	ACTGGAACGG	TAAATTCAGA	GACTGCGCTT	TCCATTCTGG	CTTTAATGAA	2220
95	GATCCATTCTG	TTTGTGAATA	TCAAGGCCAA	TCGTCTGACC	TGCCTCAACC	TCCTGTCAAT	2280
96	GCTGGCGGCG	GCTCTGGTGG	TGGTCTTGGT	GGCGGCTCTG	AGGGTGGTGG	CTCTGAGGGT	2340
97	GGCGGTTCTG	AGGGTGGCGG	CTCTGAGGGA	GGCGGTTCCG	GTGGTGGCTC	TGGTTCGGGT	2400
98	GATTTTGATT	ATGAAAAGAT	GGCAAACGCT	AATAAGGGGG	CTATGACCGA	AAATGCCGAT	2460
99	GAAAACGCGC	TACAGTCTGA	CGCTAAAGGC	AAACTTGATT	CTGTCGCTAC	TGATTACGGT	2520
100	GCTGCTATCG	ATGGTTTCAT	TGGTGACGTT	TCCGGCCTTG	CTAATGGTAA	TGGTGCTACT	2580
101	GGTGATTTTG	CTGGCTCTAA	TTCCCAAATG	GCTCAAGTCG	GTGACGGTGA	TAATTCACCT	2640
102	TTAATGAATA	ATTTCCGTCA	ATATTTACCT	TCCCTCCCTC	AATCGGTTGA	ATGTCGCCCT	2700
103	TTTGTCTTTA	GCGCTGGTAA	ACCATATGAA	TTTTCTATTG	ATTGTGACAA	AATAAACTTA	2760
104	TTCCGTGGTG	TCTTTGCGTT	TCTTTTATAT	GTTGCCACCT	TTATGTATGT	ATTTTCTACG	2820
105	TTTGCTAACA	TACTGCGTAA	TAAGGAGTCT	TAATCATGCC	AGTTCTTTTG	GGTATTCCGT	2880
106	TATTATTGCG	TTTCCTCGGT	TTCCCTCTGG	TAACCTTTGT	CGGCTATCTG	CTTACTTTTC	2940
107	TTAAAAAGGG	CTTCGGTAAG	ATAGCTATTG	CTATTTCAAT	GTTTCTTGCT	CTTATTATTG	3000
108	GGCTTAACTC	AATTCTTGTT	GGTTATCTCT	CTGATATTAG	CGCTCAATTA	CCCTCTGACT	3060
109	TTGTTACAGG	TGTTACAGTTA	ATTCTCCCGT	CTAATGCGCT	TCCCTGTTTT	TATGTTATTC	3120
110	TCTCTGTAAA	GGCTGCTATT	TTCAATTTTT	ACGTTAAACA	AAAAATCGTT	TCTTATTTTG	3180
111	ATTGGGATAA	ATAATATGGC	TGTTTATTTT	GTAACCTGGCA	AATTAGGCTC	TGGAAAGACG	3240
112	CTCGTTAGCG	TTGGTAAGAT	TCAGGATAAA	ATTGTAGCTG	GGTGCAAAAT	AGCAACTAAT	3300
113	CTTGATTTAA	GGCTTCAAAA	CCTCCCGCAA	GTCGGGAGGT	TCGCTAAAC	GCCTCGCGTT	3360

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114	CTTAGAATAC	CGGATAAGCC	TTCTATATCT	GATTTGCTTG	CTATTGGGCG	CGGTAATGAT	3420
115	TCCTACGATG	AAAATAAAAA	CGGCTTGCTT	GTTCTCGATG	AGTGCGGTAC	TTGGTTTAAT	3480
116	ACCCGTTCTT	GGAATGATAA	GGAAAGACAG	CCGATTATTG	ATTGGTTTCT	ACATGCTCGT	3540
117	AAATTAGGAT	GGGATATTAT	TTTTCTTGTT	CAGGACTTAT	CTATTGTTGA	TAAACAGGCG	3600
118	CGTTCTGCAT	TAGCTGAACA	TGTTGTTTAT	TGTCGTCGTC	TGGACAGAAT	TACTTTACCT	3660
119	TTTGTGCGTA	CTTTATATTC	TCTTATTACT	GGCTCGAAAA	TGCCCTGACC	TAAATTACAT	3720
120	GTTGGCGTTG	TTAAATATGG	CGATTCTCAA	TTAAGCCCTA	CTGTTGAGCG	TTGGCTTTAT	3780
121	ACTGGTAAGA	ATTTGTATAA	CGCATATGAT	ACTAAACAGG	CTTTTCTAG	TAATTATGAT	3840
122	TCCGGTGTTT	ATTCTTATTT	AACGCCTTAT	TTATCACACG	GTCGGTATTT	CAAACCATTA	3900
123	AATTTAGGTC	AGAAGATGAA	GCTTACTAAA	ATATATTTGA	AAAAGTTTTC	ACGCGTTCTT	3960
124	TGTCTTGCGA	TTGGATTTGC	ATCAGCATTT	ACATATAGTT	ATATAACCCA	ACCTAAGCCG	4020
125	GAGGTTAAAA	AGGTAGTCTC	TCAGACCTAT	GATTTTGATA	AATTCACTAT	TGACTCTTCT	4080
126	CAGCGTCTTA	ATCTAAGCTA	TCGCTATGTT	TTCAAGGATT	CTAAGGGAAA	ATTAATTAAT	4140
127	AGCGACGATT	TACAGAAGCA	AGGTTATTCA	CTCACATATA	TTGATTTATG	TACTGTTTCC	4200
128	ATTAAAAAAG	GTAATTCAAA	TGAAATTGTT	AAATGTAATT	AATTTTGTTT	TCTTGATGTT	4260
129	TGTTTCATCA	TCTTCTTTTG	CTCAGGTAAT	TGAAATGAA	AATTCGCCTC	TGCGCGATTT	4320
130	TGTAACCTGG	TATTCAAAGC	AATCAGGCGA	ATCCGTTATT	GTTTCTCCCG	ATGTAAAAGG	4380
131	TACTGTACT	GTATATTCAT	CTGACGTTAA	ACCTGAAAA	CTACGCAATT	TCTTTATTTT	4440
132	TGTTTACGT	GCTAATAATT	TTGATATGGT	TGGTTCAATT	CCTTCCATAA	TTCAGAAGTA	4500
133	TAATCCAAAC	AATCAGGATT	ATATTGATGA	ATTGCCATCA	TCTGATAATC	AGGAATATGA	4560
134	TGATAATTCC	GCTCCTTCTG	GTGGTTTCTT	TGTTCCGCAA	AATGATAATG	TTACTCAAAC	4620
135	TTTTAAAATT	AATAACGTTT	GGGCAAAGGA	TTTAATACGA	GTTGTCGAAT	TGTTTGTAAG	4680
136	GTCTAATACT	TCTAAATCCT	CAAATGTATT	ATCTATTGAC	GGCTCTAATC	TATTAGTTGT	4740
137	TAGTGACCT	AAAGATATTT	TAGATAACCT	TCCTCAATTC	CTTCTACTG	TTGATTTGCC	4800
138	AACTGACCAG	ATATTGATTG	AGGGTTTGAT	ATTTGAGGTT	CAGCAAGGTG	ATGCTTTAGA	4860
139	TTTTTCATTT	GCTGCTGGCT	CTCAGCGTGG	CACGTGTTGCA	GGCGGTGTTA	ATACTGACCG	4920
140	CCTCACCTCT	GTTTTATCTT	CTGCTGGTGG	TTCGTTCCGT	ATTTTAAATG	GCGATGTTTT	4980
141	AGGGCTATCA	GTTTCGCGCAT	TAAAGACTAA	TAGCCATTCA	AAAAATATTG	CTGTGCCACG	5040
142	TATTCTTACG	CTTTCAGGTC	AGAAGGGTTC	TATCTCTGTT	GGCCAGAATG	TCCCTTTTAT	5100
143	TACTGGTCGT	GTGACTGGTG	AATCTGCCAA	TGTAATAAAT	CCATTTCAGA	CGATTGAGCG	5160
144	TCAAAATGTA	GGTATTTCCA	TGAGCGTTTT	TGCTGTTGCA	ATGGCTGGCG	GTAATATTGT	5220
145	TCTGGATATT	ACCAGTCAAG	CCGATAGTTT	GAGTTCTTCT	ACTCAGGCAA	GTGATGTTAT	5280
146	TACTAATCAA	AGAAGTATTG	CTACAACGGT	TAATTTGCGT	GATGGACAGA	CTCTTTTACT	5340
147	CGGTGGCCTC	ACTGATTATA	AAAACACTTC	TCAAGATTCT	GGCGTACCGT	TCCTGTCTAA	5400
148	AATCCCTTTA	ATCGGCCTCC	TGTTTAGCTC	CCGCTCTGAT	TCCAACGAGG	AAAGCACGTT	5460
149	ATACGTGCTC	GTCAAAGCAA	CCATAGTACG	CGCCCTGTAG	CGGCGCATTA	AGCGCGGCGG	5520
150	GTGTGGTGGT	TACGCGCAGC	GTGACCGCTA	CACTTGCCAG	CGCCCTAGCG	CCCGCTCCTT	5580
151	TCGCTTCTTT	CCCTTCCTTT	CTCGCCACGT	TCGCCGGCTT	TCCCCGTCAA	GCTCTAAATC	5640
152	GGGGGCTCCC	TTTAGGGTTC	CGATTTAGTG	CTTTACGGCA	CCTCGACCCC	AAAAAATTG	5700
153	ATTTGGGTGA	TGGTTCACGT	AGTGGGCCAT	CGCCCTGATA	GACGGTTTTT	CGCCCTTTGA	5760
154	CGTTGGAGTC	CACGTTCTTT	AATAGTGGAC	TCTTGTTCCA	AACTGGAACA	ACACTCAACC	5820
155	CTATCTCGGG	CTATTCTTTT	GATTTATAAG	GGATTTTGCC	GATTTCCGAA	CCACCATCAA	5880
156	ACAGGATTTT	CGCCTGCTGG	GGCAAACCAG	CGTGGACCGC	TTGCTGCAAC	TCTCTCAGGG	5940
157	CCAGGCGGTG	AAGGGCAATC	AGCTGTTGCC	CGTCTCGCTG	GTGAAAAGAA	AAACCACCCT	6000
158	GGCGCCCAAT	ACGCAAACC	CCTCTCCCCG	CGCGTTGGCC	GATTCATTAA	TGCAGCTGGC	6060
159	ACGACAGGTT	TCCCGACTGG	AAAGCGGGCA	GTGAGCGCAA	CGCAATTAAT	GTGAGTTAGC	6120
160	TCACTCATTA	GACACCCAG	GCTTTACT	TTATGCTTCC	GGCTCGTATG	TTGTGTGGAA	6180
161	TTGTGAGCGG	ATAACAATTT	CACACGCGTC	ACTTGGCACT	GGCCGTCGTT	TTACAACGTC	6240
162	GTGACTGGGA	AAACCCTGGC	GTTACCCAAG	CTTTGTACAT	GGAGAAAATA	AAGTGAAACA	6300

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163 AAGCACTATT GCACTGGCAC TCTTACCGTT ACCGTTACTG TTTACCCCTG TGACAAAAGC 6360
164 CGCCCAGGTC CAGCTGCTCG AGTCAGGCCT ATTGTGCCCA GGGGATTGTA CTAGTGGATC 6420
165 CTAGGCTGAA GGCATGACC CTGCTAAGGC TGCATTCAAT AGTTTACAGG CAAGTGCTAC 6480
166 TGAGTACATT GGCTACGCTT GGGCTATGGT AGTAGTTATA GTTGGTGCTA CCATAGGGAT 6540
167 TAAATTATTC AAAAAGTTTA CGAGCAAGGC TTCTTAAGCA ATAGCGAAGA GGCCCGCACC 6600
168 GATCGCCCTT CCAACAGTT GCGCAGCCTG AATGGCGAAT GGCGCTTTGC CTGGTTTCCG 6660
169 GCACCAGAAG CGGTGCCGGA AAGCTGGCTG GAGTGCATC TTCCTGAGGC CGATACGGTC 6720
170 GTCGTCCCTT CAACTGGCA GATGCACGGT TACGATGCGC CCATCTACAC CAACGTAACC 6780
171 TATCCCATTA CGGTCAATCC GCCGTTTGTT CCCACGGAGA ATCCGACGGG TTGTTACTCG 6840
172 CTCACATTTA ATGTTGATGA AAGCTGGCTA CAGGAAGGCC AGACGCGAAT TATTTTTGAT 6900
173 GGCGTTCCCTA TTGGTTAAAA AATGAGCTGA TTTAACAAAA ATTTAACGCG AATTTTAACA 6960
174 AAATATTAAC GTTTACAATT TAAATATTTG CTTATACAAT CTTCTGTTT TTGGGGCTTT 7020
175 TCTGATTATC AACCGGGGTA CATATGATTG ACATGCTAGT TTTACGATTA CCGTTCATCG 7080
176 ATTCTCTTGT TTGCTCCAGA CTCTCAGGCA ATGACCTGAT AGCCTTTGTA GATCTCTCAA 7140
177 AAATAGCTAC CCTCTCCGGC ATTAATTTAT CAGCTAGAAC GGTGAATAT CATATTGATG 7200
178 GTGATTTGAC TGTCTCCGGC CTTTCTCACC CTTTGAATC TTTACCTACA CATTACTCAG 7260
179 GCATTGCATT TAAAATATAT GAGGGTTCTA AAAATTTTGA TCCTTGCGTT GAAATAAAGG 7320
180 CTTCTCCCGC AAAAGTATTA CAGGGTCATA ATGTTTTTGG TACAACCGAT TTAGCTTTAT 7380
181 GCTCTGAGGC TTTATTGCTT AATTTTGCTA ATTCTTTGCC TTGCCTGTAT GATTTATTGG 7440
182 ACGTT 7445

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184 (2) INFORMATION FOR SEQ ID NO: 2:

185 (i) SEQUENCE CHARACTERISTICS:

186 (A) LENGTH: 7317 base pairs

187 (B) TYPE: nucleic acid

188 (C) STRANDEDNESS: both

189 (D) TOPOLOGY: circular

190 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

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192 AATGCTACTA CTATTAGTAG AATTGATGCC ACCTTTTCAG CTCGCGCCCC AAATGAAAAT 60
193 ATAGCTAAAC AGGTTATTGA CCATTTGCGA AATGTATCTA ATGGTCAAAC TAAATCTACT 120
194 CGTTCGCAGA ATTGGGAATC AACTGTTACA TGGAATGAAA CTTCCAGACA CCGTACTTTA 180
195 GTTGCAATTT TAAACATGTT TGAGCTACAG CACCAGATTC AGCAATTAAG CTCTAAGCCA 240
196 TCCGCAAAAA TGACCTCTTA TCAAAAGGAG CAATTAAAGG TACTCTCTAA TCCTGACCTG 300
197 TTGGAGTTTG TCTCCGGTCT GGTTCGCTTT GAAGCTCGAA TTAAAACGCG ATATTTGAAG 360
198 TCTTTCGGGC TTCTCTTAA TCTTTTTGAT GCAATCCGCT TTGCTTCTGA CTATAAGT 420
199 CAGGGTAAAG ACCTGATTTT TGATTTATGG TCATTCTCGT TTTCTGAAC GTTTAAAGCA 480
200 TTTGAGGGGG ATTCAATGAA TATTTATGAC GATTCCGCAG TATTGGACGC TATCCAGTCT 540
201 AAACATTTTA CTATTACCCC CTCTGGCAA ACTTCTTTTG CAAAAGCCTC TCGCTATTTT 600
202 GGTTTTTATC GTCGTCTGGT AAACGAGGGT TATGATAGTG TTGCTCTTAC TATGCCTCGT 660
203 AATTCCTTTT GCGTTATGT ATCTGCATTA GTTGAATGTG GTATTCTTAA ATCTCAACTG 720
204 ATGAATCTTT CTACCTGTAA TAATGTTGTT CCGTTAGTTC GTTTTATTAA CGTAGATTTT 780
205 TCTTCCCAAC GTCCTGACTG GTATAATGAG CCAGTTCTTA AAATCGCATA AGGTAATTCA 840
206 CAATGATTAA AGTTGAAATT AAACCATCTC AAGCCCAATT TACTACTCGT TCTGGTGT 900
207 CTCGTCAGGG CAAGCCTTAT TCACTGAATG AGCAGCTTTG TTACGTTGAT TTGGGTAATG 960
208 AATATCCGGT TCTTGTCAG ATTACTCTTG ATGAAGGTCA GCCAGCCTAT GCGCCTGGTC 1020
209 TGACACCGT TCATCTGTCC TCTTCAAAG TTGGTCAGTT CGGTTCCCTT ATGATTGACC 1080
210 GTCTGCGCCT CGTCCGGCT AAGTAACATG GAGCAGGTCG CGGATTTCTGA CACAATTTAT 1140
211 CAGGCGATGA TACAAATCTC CGTTGCTACT TGTTCGCGC TTGGTATAAT CGCTGGGGGT 1200
212 CAAAGATGAG TGTTTTAGTG TATTCTTTTC CCTTTTCGT TTTAGGTTGG TGCCTTCGTA 1260
213 GTGGCATTAC GTATTTTACC CGTTTAATGG AAACCTCCTC ATGAAAAAGT CTTTAGTCCT 1320

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214	CAAAGCCTCT	GTAGCCGTTG	CTACCCTCGT	TCCGATGCTG	TCTTTCGCTG	CTGAGGGTGA	1380
215	CGATCCCGCA	AAAGCGGCCT	TTAACTCCCT	GCAAGCCTCA	GCGACCGAAT	ATATCGGTGA	1440
216	TGCGTGGGCG	ATGGTTGTTG	TCATTGTCGG	CGCAACTATC	GGTATCAAGC	TGTTTAAGAA	1500
217	ATTACCTCG	AAAGCAAGCT	GATAAACCGA	TACAATTAAA	GGCTCCTTTT	GGAGCCTTTT	1560
218	TTTTTGAGAG	TTTTCAACGT	GAAAAAATTA	TTATTGCGAA	TTCTTTTAGT	TGTTCTTTTC	1620
219	TATTCTCACT	CCGCTGAAAC	TGTTGAAAGT	TGTTTAGCAA	AACCCCATAC	AGAAAATTCA	1680
220	TTTACTAACG	TCTGGAAAGA	CGACAAAAC	TTAGATCGTT	ACGCTAACTA	TGAGGGTTGT	1740
221	CTGTGGAATG	CTACAGGCGT	TGTAGTTTGT	ACTGGTGACG	AAACTCAGTG	TTACGGTACA	1800
222	TGGGTTCTTA	TTGGGCTTGC	TATCCCTGAA	AATGAGGGTG	GTGGCTCTGA	GGGTGGCGGT	1860
223	TCTGAGGGTG	GCGGTTCTGA	GGGTGGCGGT	ACTAAACCTC	CTGAGTACGG	TGATACACCT	1920
224	ATTCCGGGCT	ATACTTATAT	CAACCTCTC	GACGGCACTT	ATCCGCCTGG	TACTGAGCAA	1980
225	AACCCCGCTA	ATCCTAATCC	TTCTCTTGAG	GAGTCTCAGC	CTCTTAATAC	TTTCATGTTT	2040
226	CAGAATAATA	GGTTCCGAAA	TAGGCAGGGG	GCATTAAC	TTTATACGGG	CACTGTTACT	2100
227	CAAGGCACTG	ACCCGTTTAA	AACCTTATTA	CAGTACACTC	CTGTATCATC	AAAAGCCATG	2160
228	TATGACGCTT	ACTGGAACGG	TAAATTCAGA	GACTGCGCTT	TCCATTCTGG	CTTTAATGAA	2220
229	GATCCATTCG	TTTGTGAATA	TCAAGGCCAA	TCGTCGTACC	TGCCTCAACC	TCCTGTCAAT	2280
230	GCTGGCGGCG	GCTCTGGTGG	TGGTCTGGT	GGCGGCTCTG	AGGGTGGTGG	CTCTGAGGGT	2340
231	GGCGGTTCTG	AGGGTGGCGG	CTCTGAGGGA	GGCGGTTCCG	GTGGTGGCTC	TGGTTCCGGT	2400
232	GATTTTGATT	ATGAAAAGAT	GGCAAACGCT	AATAAGGGGG	CTATGACCGA	AAATGCCGAT	2460
233	GAAAACGCGC	TACAGTCTGA	CGCTAAAGGC	AAACTTGATT	CTGTGCTAC	TGATTACGGT	2520
234	GCTGCTATCG	ATGGTTTCAT	TGGTGACGTT	TCCGGCCTTG	CTAATGGTAA	TGGTGCTACT	2580
235	GGTGATTTTG	CTGGCTCTAA	TTCCCAAATG	GCTCAAGTCG	GTGACGGTGA	TAATTCACCT	2640
236	TTAATGAATA	ATTTCCGTCA	ATATTTACCT	TCCCTCCCTC	AATCGGTTGA	ATGTCGCCCT	2700
237	TTTGCTTTTA	GCGCTGGTAA	ACCATATGAA	TTTTCTATTG	ATTGTGACAA	AATAAACTTA	2760
238	TTCCGTGGTG	TCTTTGCGTT	TCTTTTATAT	GTTGCCACCT	TTATGTATGT	ATTTTCTACG	2820
239	TTTGCTAACA	TACTGCGTAA	TAAGGAGTCT	TAATCATGCC	AGTTCTTTTG	GGTATTCGGT	2880
240	TATTATTGCG	TTTCCTCGGT	TTCTTCTGG	TAACCTTGTT	CGGCTATCTG	CTTACTTTTC	2940
241	TTAAAAAGGG	CTTCGGTAAG	ATAGCTATTG	CTATTTCATT	GTTTCTTGCT	CTTATTATTG	3000
242	GGCTTAACCT	AATTCTTGTC	GGTTATCTCT	CTGATATTAG	CGCTCAATTA	CCCTCTGACT	3060
243	TTGTTTCAGG	TGTTTCAGTTA	ATTCTCCCTG	CTAATGCGCT	TCCCTGTTTT	TATGTTATTG	3120
244	TCTCTGTAAA	GGCTGCTATT	TTCAATTTTG	ACGTTAAACA	AAAAATCGTT	TCTTATTGTT	3180
245	ATTGGGATAA	ATAATATGGC	TGTTTATTTT	GTAACCTGGC	AATTAGGCTC	TGGAAAGACG	3240
246	CTCGTTAGCG	TTGGTAAGAT	TCAGGATAAA	ATTGTAGCTG	GGTGCAAAAT	AGCAACTAAT	3300
247	CTTGATTTAA	GGCTTCAAAA	CCTCCCGCAA	GTCGGGAGGT	TCGCTAAAC	GCCTCGCGTT	3360
248	CTTAGAATAC	CGGATAAGCC	TTCTATATCT	GATTTGCTTG	CTATTGGGCG	CGGTAATGAT	3420
249	TCCTACGATG	AAAATAAAAA	CGGCTTGCTT	GTTCTCGATG	AGTGCGGTAC	TTGGTTTAAT	3480
250	ACCCGTTCTT	GGAATGATAA	GGAAAGACAG	CCGATTATTG	ATTGGTTTCT	ACATGCTCGT	3540
251	AAATTAGGAT	GGGATATTAT	TTTTCTTGTT	CAGGACTTAT	CTATTGTTGA	TAAACAGGCG	3600
252	CGTTCTGCAT	TAGCTGAACA	TGTTGTTTAT	TGTCGTCGTC	TGGACAGAAT	TACTTTACCT	3660
253	TTTGTCGGTA	CTTTATATTG	TCTTATTACT	GGCTCGAAAA	TGCCTCTGCC	TAAATTACAT	3720
254	GTTGGCGTTG	TTAAATATGG	CGATTCTCAA	TTAAGCCCTA	CTGTTGAGCG	TTGGCTTTAT	3780
255	ACTGGTAAGA	ATTTGTATAA	CGCATATGAT	ACTAAACAGG	CTTTTCTAG	TAATTATGAT	3840
256	TCCGGTGTTT	ATTCTTATTT	AACGCCTTAT	TTATCACACG	GTCGGTATTT	CAAACCATTA	3900
257	AATTTAGGTG	AGAAGATGAA	GCTTACTAAA	ATATATTGTA	AAAAGTTTTT	ACGCGTTCTT	3960
258	TGTCTTGCGA	TTGGATTGTC	ATCAGCATTT	ACATATAGTT	ATATAACCCA	ACCTAAGCCG	4020
259	GAGGTTAAAA	AGGTAGTCTC	TCAGACCTAT	GATTTTGATA	AATCACTAT	TGACTCTTCT	4080
260	CAGCGTCTTA	ATCTAAGCTA	TCGCTATGTT	TTCAAGGATT	CTAAGGGAAA	ATTAATTAAT	4140
261	AGCGACGATT	TACAGAAGCA	AGGTATTATCA	CTCACATATA	TTGATTTATG	TACTGTTTCC	4200
262	ATTAAAAAAG	GTAATTCAAA	TGAAATTGTT	AAATGTAATT	AATTTTGTTT	TCTTGATGTT	4260

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/767,869

DATE: 09/21/2004
TIME: 15:51:22

Input Set : A:\66797-397.txt
Output Set: N:\CRF4\09212004\J767869.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:8; Line(s) 794

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/767,869

DATE: 09/21/2004

TIME: 15:51:22

Input Set : A:\66797-397.txt

Output Set: N:\CRF4\09212004\J767869.raw

L:29 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:30 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]